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concluded

color filters along the same gate line have different colors, and wherein a black matrix is arranged between each color filter;

a gate driver integrated circuit (IC) connected to the plural gate lines for driving the gate lines, the gate driver IC arranged on a first side portion of the liquid crystal panel; and

a data driver integrated circuit (IC) connected to the plural data lines for driving the data lines, the data driver IC arranged on a second side portion of the liquid crystal panel.

Ad

10. (AMENDED) A liquid crystal display device, comprising:

a liquid crystal panel, comprising,

a first substrate having deposited thereon a plurality of color filters and a black mask arranged between each of the color filters, wherein each color filter has one of red, green, blue and white colors,

a second substrate disposed opposing the first substrate and having a plurality of gate lines arranged in a transverse direction, a plurality of data lines arranged in a longitudinal direction, and a plurality of sub-pixels each formed at an intersection of one of the gate lines and data lines, and

a liquid crystal material deposited between the first and second substrates, wherein each sub-pixel corresponds to one of the color filters, wherein color filters along the same data lines have the same color, and wherein adjacent ones of color filters along the same gate line have different colors;

at least one gate driver integrated circuit (IC) connected to the gate lines for driving the gate lines, each gate driver IC disposed on a same side portion of the liquid crystal panel; and